### **ENVIRONMENTAL CHEMISTS**

Date of Report: 04/15/98 Date Received: 04/10/98

Project: Metro KC 24hr Composite, PO# M10672

Date Samples Extracted: 04/13/98 Date Extracts Analyzed: 04/13/98

## RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL, ZINC USING METHOD 6010

### Samples Processed Using Method 3005A Results Reported as mg/L (ppm)

 Sample ID
 Chromium
 Copper
 Nickel
 Zinc

 M10672
 0.50
 0.48
 0.54
 0.06

 Method Blank
 <0.05</td>
 <0.05</td>
 <0.05</td>
 <0.05</td>

### **ENVIRONMENTAL CHEMISTS**

Date of Report: 04/15/98 Date Received: 04/10/98

Project: Metro KC 24hr Composite, PO# M10672

## QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 804060-01 (Duplicate)

Analyte		orting nits	Sample Result	Duplica Result		nt Accepta	
Chromium	mg/I	(ppm)	0.50	0.51	2	0-20	<del>,                                    </del>
Copper	mg/I	(ppm)	0.48	0.49	2	0-20	)
Nickel	mg/I	(ppm)	0.54	0.60	11	0-20	)
Zinc	mg/I	(ppm)	0.06	0.07	15	0-20	)

Laboratory Code: 804060-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recove	ery % Recover	ry Acceptance	
Analyte	Units	Level	Result	MS	MSD	Criteria	RPD
Chromium	mg/L (ppm)	5	0.50	88	87	80-120	1
Copper	mg/L (ppm)	5	0.48	90	84	80-120	7
Nickel	mg/L (ppm)	10	0.54	86	87	80-120	1
Zinc	mg/L (ppm)	5	0.06	88	87	80-120	1 1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recov LCS			eptance riteria	RPL	)
Chromium Copper	mg/L (ppm) mg/L (ppm)	5 5	91 91	94 92	- 1	0-120 0-120	3	
Nickel Zinc	mg/L (ppm) mg/L (ppm)		89 90	95 95		0-120 0-120	7 5	

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Scattle, WA 98119 (206) 285-8282

804060

4/10/98 C A 1 12:18pm Mm A 1

# SAMPLE CHAIN OF CUSTODY

Send Report To:	SKAN Coppex	Works		Contac	a Gercl	d Thom	psow
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FORMS/COC

03/24/94

### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Scattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

April 15, 1998

### **DUPLICATE COPY**

### **INVOICE #98ACU0415-1**

Accounts Payable Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

RE: Project Metro KC 24hr Composite, PO# M10672: Results of testing requested by Gerry Thompson for material submitted on April 10, 1998.

FEDERAL TAX ID (b) (6)

### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

April 15, 1998

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 10, 1998 from your Metro KC 24hr Composite, PO# M10672 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Manuel Marti Project Manager

Enclosures ACU0415R.DOC